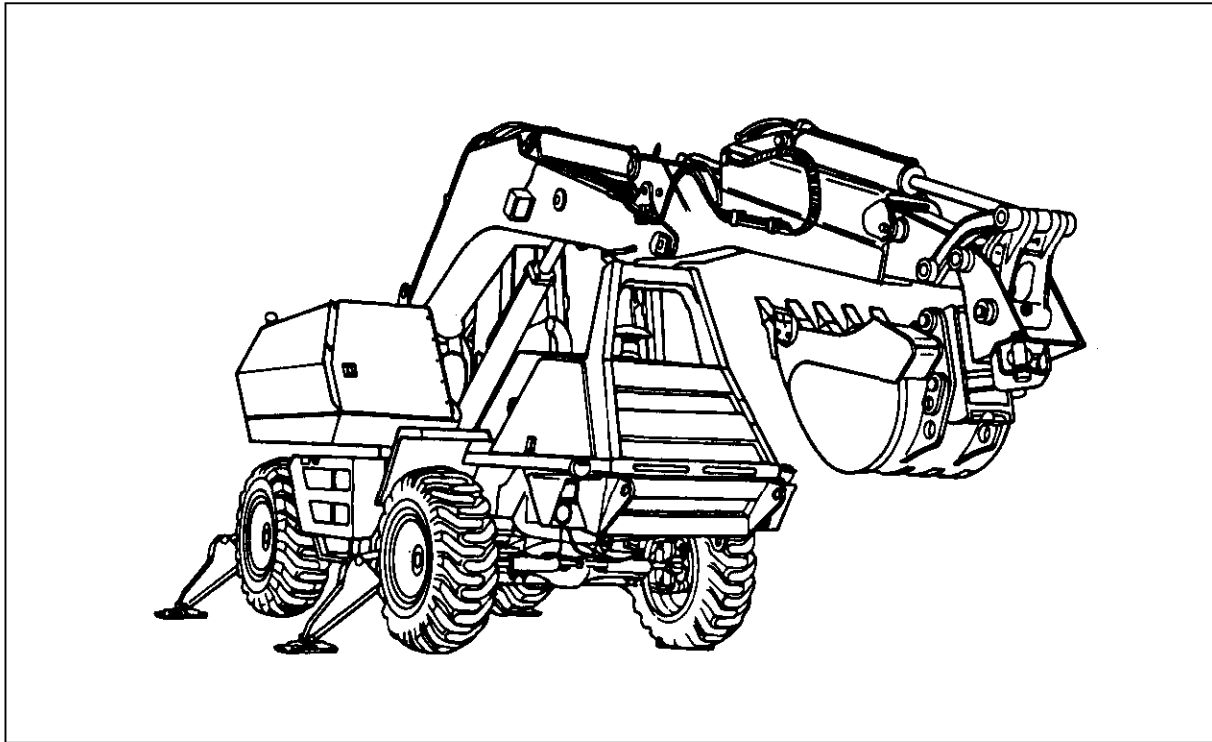


***STATEMENT OF WORK***  
***FOR THE IROAN OF THE***  
***EXCAVATOR, RUBBER TIRED***  
***MC 1085C***



**NSN 3805-01-318-3415**

**EFFECTIVE DATE 01 October 2000**

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**STATEMENT OF WORK FOR THE  
EXCAVATOR, RUBBER TIRED, MODEL MC1085C  
Inspect Repair Only As necessary (IROAN)**

1.0 **SCOPE.** This Statement of work (SOW), establishes and sets forth tasks and identifies the work efforts that shall be performed by the contractor in the IROAN effort of the Excavator. This document contain requirements to restore the Excavator to Condition Code "A." Condition Code A is defined as serviceable/issuable without qualification. Equipment defined as such should be new, used, repaired or reconditioned material which is serviceable/issuable to all customers without limitation or restriction. This includes material with more than 6 months shelf-life remaining. National Stock Number (NSN) shall be known as the Excavator 3805-01-318-3415.

1.1 **BACKGROUND.** IROAN is defined as "the maintenance technique which determines the minimum repairs necessary to restore equipment components or assemblies, and the prescribed standards utilizing all available diagnostic equipment and test procedures minimize disassembly and parts replacement."

2.0 **APPLICABLE DOCUMENTS.** The following documents form a part of this SOW to the extent specified. Unless otherwise specified, the issues of these documents are those listed in the Department of Defense Index of Specifications and Standards (DoDDISS) and supplement thereto which are in effect on the date of solicitation. In the event of conflict between the documents referenced herein and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

**2.1 MILITARY SPECIFICATIONS**

<b>MIL-C-81309</b>	Corrosion Preventive Compounds, Water Displacing, Ultra-Thin Film inhibitor.
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**2.2 MILITARY STANDARD**

<b>MIL-STD-130</b>	DoD Identification Marking of U.S. Military Marking.
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<b>MIL-STD-129</b>	DoD Standard Practice For Military Marking.
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<b>MIL-STD 642</b>	DoD Identification Marking of Combat and Tactical Transport Vehicles.
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**MILITARY STANDARD (GUIDANCE ONLY)**

<b>MIL-STD-973</b>	Configuration Management. INT CHG 3
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2.3 **OTHER GOVERNMENT DOCUMENTS AND PUBLICATIONS.** The issues of these documents cited below shall be used.

TM 09445A-25/2	Service Manual
SL-4-09445A	Repair Parts for Excavator, Hydraulic MC1085C
SL-3-09445A	Excavator, Multipurpose, Wheel Mounted, MC1085C.
ATPD-2241	Vehicles, Wheeled: Preparation for Shipment and Storage of.
TM-4750-15/2	Painting and Registration Marketing for Marine Corps Combat and Tactical Equipment.
DoD 4000.25-1-M	MILSTRIP Manual
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Materiel From the Federal Supply System.

## 2.4 INDUSTRY STANDARDS.

**ANSI/ISO/ASQC 9002-1994** Quality Systems-Model for quality Assurance in Production, Installation and Servicing .

Copies of Military Standards and Specifications are available from the DOD Single Stock Point, Defense Automation Production Service Philadelphia, Building 4D, 700 Robbins Ave, Philadelphia, PA 19111-5094, Telephone (215) 697-2179 or DSN 442-2179, or <http://www.dodssp.daps.mil>. Copies of other government documents and publications required by contractors in connection with specific SOW requirements shall be obtained through the Contracting Officer: Commander, Attn: Contracting Officer (Code 891) Marine Corps Logistics Bases, 814 Radford Blvd., Albany, Georgia 31704-1128, commercial telephone number (912) 439-6761 or DSN 567- 6761. Copies of engineering drawings, if applicable, shall be obtained from Life Cycle Management Center, Attn: Code 825-3, 814 Radford Blvd. Suite 20320, Albany, Georgia 31704-0320, commercial telephone number (912) 439-6410 or DSN 567-6410.

## 3.0 REQUIREMENTS

**3.1 GENERAL TASKS.** In fulfilling the specified requirements, the contractor shall:

a. Provide materials, labor, facilities, missing parts, and repair parts necessary to inspect, diagnose, restore, and test the Excavator. Upon completion of IROAN, repaired equipment shall be Condition Code "A".

b. Provide all tools and test equipment required to test, inspect, and calibrate the Excavator.

c. In-process and final on-site testing must be witnessed by MCLB Albany representative.

d. The contractor shall be responsible for all structural, electrical and mechanical requirements associated with the restoration of the Excavator.

3.2 **IROAN OBJECTIVE AND FUNCTIONS.** After IROAN, the Excavator, shall have the following minimum characteristics:

- a. Reliable as per system specifications
- b. Maintainable as per system specifications
- c. Serviceable (Condition Code "A")
- d. All vehicle systems and components shall operate as intended.

3.3. **DETAIL TASKS.** The following tasks describe the different phases for IROAN of the Excavator.

Phase I	Pre-Induction
Phase II	IROAN
Phase III	Inspection, testing and acceptance
Phase IV	Packaging, Handling, Storage and Transportation (PHS&T).

3.3.1. **PHASE I-PRE-INDUCTION.**

- a. A pre-induction inspection analysis shall be performed for the Excavator using the contractor facility's diagnosis, inspection and testing techniques to determine extent of work and parts required. These findings shall be annotated on the Pre- Induction Check Sheets located in Appendix A and shall be maintained and be made available upon request to the MCLB Albany, Code 837-2 representatives.
- b. Test equipment shall be used to determine that assemblies and subassemblies meet prescribed reliability, performance, and work requirements. When conformance to the SOW cannot be certified through existing inspection and testing procedures and by use of diagnostic equipment, the assembly shall be removed, disassembled, inspected, tested or repaired to the degree necessary to assure full conformance with this SOW.
- c. Oil seal and gasket leakage. Evidence of lubricating or hydraulic oils passing through or around a seal is not a defect; however, consideration must be given to the fluid capacity in the item being checked/inspected. Inspection shall normally be performed during and immediately following an operational test, but not sufficient duration to allow the fluids to return to ambient temperature. The following shall be used as a guide in determining degree of oil loss:
  - (1) Class I - Seepage of fluid ( indicated by wetness or discoloration) not great enough to form drops.
  - (2) Class II - Leakage of fluid great enough to form drops, but not enough to cause drops to fall from the item being checked/inspected.
  - (3) Class III - Leakage of fluid great enough to form drops that fall from the item being checked/inspected.

**NOTE:** A CLASS I OR II LEAK, EXCEPT FUEL SYSTEM AND BRAKE SYSTEM, IS AN ACCEPTABLE CONDITION AT ANY TIME AND DO NOT REQUIRE CORRECTIVE ACTION.

**3.3.2 PHASE II - IROAN.** IROAN shall be performed at the contractor facility. Information recorded on IROAN Pre-Induction Check Sheets during pre-inspection phase shall be used as a guide by the contractor to achieve the mechanical baseline of production. After pre-induction check and inspections have been completed, repair of the Excavator shall be accomplished in accordance with this SOW. Deficiencies noted on the Pre-Induction Check Sheets during Phase I shall be repaired/replaced. Components or assemblies shall not be disassembled for replacement of mandatory parts unless that part has failed, or the component assembly wherein the part is located is disassembled for repair. Mandatory replacement parts are contained in SL-4-09445A. The Final Road Test Check Sheet shall be completed and can be found in Appendix B of this SOW. Boxed items required to be shipped with the Excavator are contained in SL-3-09445A.

The following efforts shall be performed as part of the IROAN:

**DETAILED MECHANICAL.** The Excavator received for IROAN shall be reworked in accordance with the following paragraphs. All discrepancies noted on the IROAN Pre-Induction Check Sheets shall be repaired/replaced.

**a. HARDWARE**

(1) Replace broken, unserviceable and/or missing hardware including nuts, bolts, screws, washers, turnlock fasteners, safety, and one-time use items, etc, in accordance with the IROAN. Unserviceable would include any of the above that failed to function properly.

(2) Ensure proper hardware locking devices are present on all moving mechanical assemblies.

(3) Hardware normally supplied with commercial parts shall be used unless specifically prohibited.

(4) Hardware used in this IROAN shall be in accordance with SL-4-09445A.

**b. ENGINE ASSEMBLY/TRANSMISSION**

(1) **TEST PROCEDURES.** After pre-induction test and inspection have been completed, the power pack shall be removed from the equipment, steam cleaned, and inspected for loose or missing items. All warnings and procedures should be followed to ensure safe and working conditions.

The engine run-in test shall be performed. Refer to paragraph 3.2.2C for test procedures on the fuel system which shall be tested in conjunction with the engine.

Record all results of the Pre-Induction Check Sheets in Appendix A. Pre-Induction Check Sheets shall be maintained and be available to Code 837-2 MCLB Albany representatives.

The Transmission shall be processed in accordance with paragraph 3.2.2 H.

- a. Cylinder Block
- b. Crankshaft and Main Bearing
- c. Flywheel Assembly and Housing
- d. Pistons and Connecting Rods
- e. Cover, Valve
- f. Engine Lubrication System
- g. Lube Oil Cooler
- h. Lube Oil Pump
- I. Valve Cover
- j. Air Cleaner
- k. Air Intake Manifold

Test the following in accordance with TM 09445A-25/2 to conform with inspection and testing procedures to assure full conformance with this SOW.

2. PASS/FAIL. After the engine run test has been completed. The engine assembly shall meet or exceed the minimum specifications in TM 09445A-25/2.

**c. FUEL SYSTEM.**

(1) Test Procedures. Test the following in accordance with TM 09445A-25/2 to conform with inspection and testing procedures to assure full conformance with this SOW.

Test all fuel injectors in accordance with TM 09445A-25/2.

- a. Inspect the fuel pump assembly for loose or broken items and housing cracks.
- b. Inspect Injector Nozzles.
- c. Inspect Turbocharger.



- d. Inspect fuel tank and line group for rusting and leakage.
- e. Inspect Primer Pump.
- f. Inspect accelerator pedal and linkage for binding and proper function.
- g. Inspect Injection Pump.

2. PASS/FAIL. Repair/Replace injectors and all of the above that are not functioning properly.

**NOTE:** Replace all fuel filters and air filters 100 percent. Test Injectors for opening pressure.

The above procedures for repair/replacement can be found in TM 09445A-25/2.

**d. HYDRAULIC SYSTEM.**

(1) TEST PROCEDURES. Test the entire hydraulic system along with the following components listed below in accordance with TM 09445A-25/2 to conform with inspection and testing procedures to assure full conformance with this SOW.

- a. Hydraulic and fluid system.
- b. Main Hydraulic Pump.
- c. Lower Steering Hydraulics Group.
- d. Hydraulic Controls.
- e. Filter Lines and Fittings.
- f. Hydraulic Cylinders.
- g. Tank, Hydraulic.
- h. Hydraulic Swivel.
- I. Auxiliary Pilot Operated Hydraulic Group.
- j. Hydraulic Reservoir.
- k. Hydraulic System Valve Bank.
- l. Outrigger Solenoid Valve.
- j. Steering Pump Assembly.

k. Outrigger Hydraulics.

**NOTE:** Inspect all upper Hydraulic lines, clamps and fittings

2. PASS/FAIL. Repair/Replace any of the above if fail in accordance with TM 09445A-25/2. Tube lines that are pinched or dented replace. Replace hose if any of the following conditions exist.

- a. Replace if any evidence of hydraulic oil leakage at the surface of the hose or its junction with the metal end couplings.
- b. Replace if any blistering or abnormal deformation to the outer covering of the hose.
- c. Replace if hydraulic oil leak at any threaded or clamped joint that cannot be eliminated by normal tightening.
- d. Replace if evidence of excessive abrasion or scrubbing on the outer surface of hose or hoses.

The above procedures for repair/replacement can be found in TM 09445A-25/2.

e. **COOLING SYSTEM.**

(1) **TEST PROCEDURES.** Inspect the following in accordance with TM 09445A-25/2 to conform with inspection and testing procedures to assure full conformance with this SOW. Inspect hose clamps for tightness.

- a. Check cooling system for leaks.
- b. Check radiator cap.
- c. Inspect thermostat and housing for leaks.
- d. Inspect Fan Belt.
- e. Inspect fan blades for breaks, bends, and missing rivets.
- g. Inspect water pump for leaks and cracks.
- h. Inspect Radiator and Oil Cooler for cracks and leaks.

2. PASS/FAIL. Replace coolant, coolant belts, heater and radiator hoses. Replace anti-freeze protection. Replace any hose or the above equipment that fail test in accordance with TM 09445A-25/2.

f. **ELECTRICAL SYSTEM**

The Electrical System is a 24 volt charging system.

(1) TEST PROCEDURES. Inspect all wiring harnesses, battery cables for corrosion, bent or missing pins, and ripped or torn insulation and tie wraps. The following electrical systems should be tested/inspected.

- a. Alternator
- b. Cab Main Harness, Main Engine Wiring Harness.
- c. Starter Motor & Solenoid.
- d. Instrument Control Panel.
- e. Switches/Circuit Breakers, Panel Electrical Gauges.
- f. Front Lights, Rear Lights and Work Lights.
- g. Sending Units & Warning Switches.
- h. Horn & Alarm.
- i. Batteries, Storage/Batteries.
- j. Relay Panel Group.
- k. Cold Start Group.

2. PASS/FAIL. Repair/Replace all missing and bent pins. Repair of insulation less than four inches in length may be accomplished using electrical tape. Tears or rips in excess of four inches shall require installation of new conduit. Corrosion shall be removed from components. Upon removal of corrosion, if component does not function properly, replace component. Replace all damaged battery cables. Replace any missing or damaged tie wraps.

g. **AXLES**

(1) TEST PROCEDURES. Inspect the following in accordance with TM-09445A-25/2 to insure full conformance with this SOW.

- a. Front and Rear Axle Assembly.
- b. Axle Housing Group.
- c. Steering Axle Group.
- d. Planetary Group

e. Wheel End Group.

(2) PASS/FAIL. Repair the above equipment in accordance with TM-09445A-25/2 to conform with inspection and testing procedures to assure full conformance with this SOW.

**h. TRANSMISSION**

(1). TEST PROCEDURES. Inspect in accordance with TM 09445A-25/2 to conform with inspection procedures to assure full conformance with this SOW.

a. Transmission Group and Associated Parts.

b. Transmission Hoses, Lines, Filter and Fittings.

c. Drive shaft.

d. Transmission Controls.

e. Transmission Case and Cover Group.

f. Transmission Linkage.

2. PASS/FAIL. Repair/Replace the transmission linkage assembly if it does not operate smoothly. Replace all broken cables.

On completion of inspection, the transmission shall meet or exceed the minimum specifications. In the event the transmission fails inspection, it shall be repaired or replaced. The transmission oil, filter, and oil pan gasket shall be replaced.

**i. BRAKE SYSTEM**

(1) TEST PROCEDURES. Inspect in accordance with TM 09445A-25/2 to conform with inspection procedures to assure full conformance with this SOW.

a. Inspect Brake Linkage, Hand Brake and pedal.

b. Inspect Parking Brake for proper functioning.

c. Inspect Service Brake.

d. Inspect all Brake lines for cracks and leaks.

e. Inspect brake pads.

f. Inspect Hydraulic Brake assembly system.

g. Inspect mechanical Brake System.

h. Inspect Swing Brake Control group.

(2). PASS/FAIL. Repair/Replace any or all of the above components that do not meet operational standards of TM 09445A-25/2.

**j. TIRES, WHEELS**

(1) INSPECTION PROCEDURES. Inspect tire inflation. Inspect for cupping, chunking, cuts, and cracks.

a. Inspect wheels for cracks, brakes, and damaged mounting holes.

b. Wheels shall be free of cracks brakes, and damaged mounting holes. Front end alignment and toe-in-adjustment shall meet the standards prescribed in the technical manual. All wheels that do not meet these requirements shall be replaced.

(2) PASS/FAIL. Each tire must have 4/32 inch or more of tread remaining and be in good serviceable condition. All tires on a vehicle shall be matched to provide proper performance and approximately equal life. Tires shall not show evidence of cupping or chunking. Tires shall not have cuts or cracks greater than one inch in length, 1/8 inch wide. Tires shall not have cuts or brakes, regardless of length or width, which extend to the fabric, Rubber separation or bulges on tire side walls are not acceptable.

All tires that do not meet these requirements shall be replaced.

The above procedures for replacement can be found in TM 09445A-25/2.

**k. STEERING SECTION**

(1) TEST PROCEDURES. Inspect steering pump, steer mode selector valve, control unit, emergency steer motor and pump, reservoir, and cap for leaks and proper function.

a. Inspect all steering cylinder hoses for leaks.

b. Inspect steering control unit.

c. Inspect all steering tubing for leaks, cracks, kinks, or flat section.

d. Inspect Steering hydraulic tank.

e. Inspect steering wheel for cracks.

f. Inspect steering selector valve.

g. Inspect Steering pump.

h. Inspect Lower Steering Hydraulic Group.

i. Inspect Upper Steering Group.

**NOTE:** All steering cylinders shall be removed and new seal kits and springs installed 100 percent.

(2) PASS/FAIL. Repair/Replace the steering pump reservoir, and cap if leaking and not functioning properly. Replace steering fluid 100 percent.

No welding or straightening (hot or cold) shall be permitted on steering gear controls. Steering wheels with minor cracks 1/8 inch wide or less which do not extend to the steering wheel core may be repaired by filling with a non-shrinking epoxy and sanded smooth.

The above procedures for repair/replacement can be found in TM 09445A-25/2.

## 1. FRAME FENDER AND CAB

(1) TEST PROCEDURES. Check frame fender and decks and under body supports for deteriorated bushings, broken bolts, cracks, broken welds, and rust. Remove all insulation from cab/floor and inspect for corrosion. Inspect the following.

- a. Frame, Fender and Cab Group.
- b. Upper structure
- c. Doors.
- d. Doors and Window Seals
- e. Upholstery and Seats.
- f. Mirrors
- g. Engine housing.
- h. Data plate and instruction holder.
- I. Inspect glass for brakes and cracks.
- j. Inspect windshield wiper for proper function.
- k. Inspect mirror bracket.

- (2) PASS/FAIL. Repair/Replace the above items and dents that exceed 7/16 of an inch.

The above procedures for repair/replacement can be found in TM 9445A-25/2.

**m. DATA PLATES AND DECALS.**

DATA PLATE. Each repaired Excavator shall have an IROAN data plate affixed next to the existing data plate. The data plate shall meet the requirements of MIL-STD -130.

- (1) TEST PROCEDURES. Inspect vehicle for missing, damaged, and illegible data plates and decals.

- (2) PASS/FAIL. Replace all data plates and decals that are missing and illegible. IROAN data plates shall be prepared by the DMA or contractor and contain the following information:

VEHICLE SERIAL NO \_\_\_\_\_  
REPAIRED IN ACCORDANCE WITH SOW-01-837-2-09455A-2/1.  
CONTRACTOR FACILITY \_\_\_\_\_  
DATE \_\_\_\_\_  
VEHICLE ODOMETER OR HOUR READING AT TIME OF IROAN \_\_\_\_\_

**NOTE:** Odometers and hour meters on vehicles IROAN under provisions of this SOW shall not be turned back to zero.

**RECORD JACKET:** All major equipment or components serial numbers that are replaced during IROAN are to be identified by the Contractor to be recorded in the record jacket of the Excavator (This include engines, transmissions, etc.). Information will list the Excavator serial number, Name of equipment/component(s) replaced, serial number of deficiency equipment/component(s), serial number of replacement equipment/component(s), and if the equipment/component(s) is new or rebuilt.

**3.3.3. PHASE III - INSPECTION, TESTING AND ACCEPTANCE.**

a. Inspection, testing and acceptance of the Excavator shall be conducted in accordance with TM 09445A-25/2 and the provisions of this SOW.

b. The contractor shall be responsible for conducting required tests and shall ensure all necessary personnel are available to complete the final acceptance. Acceptance test shall be held at the contractor facility. MCLB, Albany Georgia representatives shall be given a minimum of two weeks notice prior to beginning acceptance testing. The test area shall be cleared of all equipment parts and components, ect, not required for the test.

c. The contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCLB Albany, Georgia representatives may require the contractor to report tests or portions thereof, if the original tests fail to demonstrate compliance with this SOW.

d. Acceptance testing on all equipment repaired under the provisions of this SOW shall be accomplished in accordance with TM 09445A-25/2.

e. Vehicle Markings. Registration numbers and other markings shall be applied in accordance with MIL-STD-642. Lifting and tie down attachments shall be identified with one inch letters indicating "SLING POINT" or "TIE DOWN." TM-4750-15/2 Painting and Registration Marketing for Marine Corps Combat and Tactical Equipment.

f. For prevention of corrosion refer to MIL-C81309.

### **3.3.4 PHASE IV - PACKAGING HANDLING STORAGE AND TRANSPORTATION (PHS&T).**

a. The Contactor shall be responsible for preservation and packaging of items being repaired under the terms of this statement of work. Items being prepared for long term storage shall be in accordance with the level A requirements of ATPD 2241. Items scheduled for domestic shipment, immediate use or overseas shipment with exception of Maritime Prepositioned Forces (MPF), shall be level B, Drive-on/Drive-off. Items being prepared for overseas shipment shall have a label affixed which reads, "NOT FOR WEATHER DECK STOWAGE." Items scheduled for shipment to MPS shall be Level B, MPS Modified Drive Away.

b. The Terms Drive-on/Drive-off and MPF Modified Drive Away are defined as follows:

(1). Drive-on/Drive-off: Batteries will be hot and disconnected from vehicle electrical system. Terminals and leads will be taped. Fuel tank will be filled  $\frac{1}{4}$  full. The air intake system, exhaust and brake systems, drive-train and gauges are to be depreserved.

(2). MPS Modified Drive Away: Batteries shall be hot and connected to vehicle electrical system. Fuel tank shall filled  $\frac{3}{4}$  full of JP5. The air intake system, exhaust and brake systems, drive-train and gauges are to be depreserved. Fire extinguisher bracket and seats (all) shall be installed.

c. Marking shall be in accordance with MIL-STD-129.

d. The Marine Corps will provide the contractor with shipping address(es) for delivery of repaired equipment. The Contractor shall be responsible for arranging for shipment of the equipment to the pre-designed site(s). The Marine Corps will be responsible for transportation costs associated with shipping the subject equipment to and from the contractor. are to be depreserved. Fire extinguisher bracket and seats shall be installed.

### **3.4 CONFIGURATION MANAGEMENT**

#### **3.4.1 CONFIGURATION STATUS ACCOUNTING (CSA)**



a. The Contractor shall determine the application status of approved configuration changes by visual inspections to the extent possible. The government will identify the configuration changes to be inspected by furnishing a Configuration Checklist (Appendix C) to the Contractor. The Contractor shall use one checklist for each Excavator to record the inspection findings along with other required data.

b. The Contractor shall record serial numbers of the assemblies listed on the Configuration Checklist. The Contractor shall record the information on the same form that was used to record the application status of configuration changes.

### **3.4.2 CONFIGURATION CONTROL.**

The Contractor shall apply configuration control to established baseline configuration item. Deviations from this established baseline configuration will not be allowed, without the written approval of the Weapon System/Equipment Manager (Code 837-2). If it is necessary to depart from the Authorized configuration, the Contractor shall prepare and submit a Request for Deviation or Request for Waiver. MIL-STD-973 (paragraphs 5.4.3 and 5.4.4 and Appendix E) may be used as guidance.

### **3.5 GOVERNMENT FURNISHED EQUIPMENT (GFE) ACCOUNTABILITY/ GOVERNMENT FURNISHED MATERIEL (GFM).**

GFE is government owned equipment authorized by contract for use by a commercial/government contractor. It is neither consumed during production nor incorporated into any product. GFM is materiel furnished to a contractor that will be consumed during the course of production or incorporated into product being manufactured/remanufactured under a contract/ statement of work. In the event the Marine Corps does have GFE/GFM requirements, the Management Control Activity (MCA/Code 827-2), Marine Corps Logistics Bases, Albany, Georgia, will coordinate required GFE and will maintain a central control on Marine Corps assets in the Contractor's possession. The MCA will forward a GFE Accountability agreement to the Contractor Facility for signature to establish a chain of custody and property responsibilities for Marine Corps assets. The Contractor shall report receipt of all GFM and report consumption of GFM to the MCA.

### **3.6 CONTRACT FURNISHED MATERIEL (CFM)**

The Marine Corps has adopted the Navy's procedures regarding Contractor Furnished Materiel (NAVICPINST 4491.2A). In the event that Contractor Furnished Materiel is required for repair parts, the contractor shall requisition through the DOD Supply System. DOD 4000.25-1-M, (MILSTRIP) Chapter 11 authorizes contractors to requisition through the DOD Supply System.

### **3.7 QUALITY ASSURANCE PROVISIONS**

The performances of the Contractor and the quality of work delivered, material provided and documents written shall be subject to in-process review and inspection by the Weapon System Manager and/or their representative(s) during contract performance. Inspection may be accomplished at any work location. Authorized Weapon System Manager representative(s) shall be permitted to observe the work/task accomplishment or to conduct inspections at all reasonable hours

within contractor normal working hours. Acceptance tests shall be held in-plant. Inspection by Weapon System Manager and/or their representative(s) of all acceptance tests plans, materials and associated lists furnished hereunder does not relieve the Contractor from any responsibility regarding defects or other failures to meet contract requirements which may be disclosed prior to final acceptance.

The Contractor shall provide and maintain a Quality System that as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9002-1994 Quality System Model for Quality Assurance in Production, Installation, and Servicing. The Contractors work shall be subject to in-process reviews and inspections for compliance with Quality Systems by Weapon System Manager and/or their representative(s). Noncompliance with procedures resulting in degraded quality of work may result in a stop-work order requiring action by the Contractor to correct the work performed and to enforce compliance with quality assurance procedures or face contract termination. Notwithstanding such Weapon System Manager and/or their representative's inspection, it shall be the Contractor responsibility to ensure that the entire system meets the performance requirements delineated and addressed in the Excavator TM 09445A-25/2 and this SOW.

Quality assurance operations performed by the Contractor shall be subject to the Weapon System Manager and/or their representative(s) verification at any time. The Weapon System Manager and/or their representative(s) verifications can include, but shall not be limited in any matter, to the following:

- a. Inspection of materials, products, assemblies, and documentation to assess compliance with quality standards.
- b. Surveillance of operations to determine that quality assurance, practices, methods, and procedures are being properly applied.
- c. Inspections of deliverable products to assure compliance with all requirements of the Excavator, this SOW, and applicable documents used herein.
- d. Failure of the repair facility to promptly correct deficiencies discovered, shall be a reason for suspension of acceptance until corrective action has been made.

### 3.8 ACCEPTANCE

The performance of the contractor and the quality of work delivered, including all equipment furnished and documentation written or compiled, shall be subject to in process review and inspection during performance. Inspection may be accomplished in plant or at any work site or location, and Marine/Corps representatives shall be permitted to observe the work or to conduct inspection at all reasonable hours. Final inspection and acceptance testing shall be conducted at the contractor. Final acceptance shall be conducted on 100 percent of items to verify that the units meet all requirements.

Acceptance testing. The Excavator IROANED under the provisions of this SOW shall be accomplished in accordance with TM 09445A-25/2.

### 3.9 REJECTION

Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCLB, Albany representative. The contractor shall at no additional cost to, MCLB, Albany Georgia, provide the following:

- a. Develop an approach for modification or correction of all deficiencies.
- b. On approval of a documented approach, the contractor shall correct the deficiencies and repeat verification until acceptable compliance with acceptance test procedures is demonstrated.

### 4.0 REPORTS

4.1 Repairable Item Inspection Report. The contractor shall provide a repairable item inspection report for each IROAN of the Excavator. Identified by United States Marine Corps Serial Number.

4.2 Monthly Progress Reports. The contractor shall provide monthly progress reports summarizing the progress and status of the IROAN program.

4.3 Pre-Induction Check Sheets: The contractor shall complete the Pre-Induction Check Sheets (Appendix A) for each Excavator repaired. These documents shall be available during final acceptance testing. One copy of each document shall be provided to MCLB Albany, Georgia Code 837-2 after final acceptance of the Excavator.

4.4 Final Road Test Checklist: The contractor shall provide one copy per vehicle of the final road test results (Appendix B) performed on Excavator. These sheets must be available for review during the final acceptance testing and shall be sent to MCLB Albany, Georgia Code 837-2 upon acceptance of vehicle.

**PRE-INDUCTION CHECK SHEETS  
FOR  
EXCAVATOR, RUBBER TIRED  
MC 1085C**

**DATE:****REFERENCES:  
ID 09445A****U.S. M.C. NO.** \_\_\_\_\_ **MILES** \_\_\_\_\_**JOB ORDER NO.** \_\_\_\_\_ **HOURS** \_\_\_\_\_**PRODUCTION NO.** \_\_\_\_\_ **SERIAL NO.** \_\_\_\_\_**ENGINE NO.** \_\_\_\_\_**TRANSMISSION NO.** \_\_\_\_\_**INSPECTORS' NAME** \_\_\_\_\_ **BADGE NUMBER** \_\_\_\_\_ **SHIP NUMBER** \_\_\_\_\_

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**NOTE:** The following inspection sheets are divided into columns. The inspector will place a check in the column which best describes the condition of the item being inspected. Those items that cannot be inspected for any reason, the inspector will make an appropriate annotation in the remarks column. If the inspector finds a defect that could cause injury to the operator or damage to the end item, testing will cease until the defect is corrected or the decision is made to induct the Crane into the shop.

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**PRE-INDUCTION CHECKSHEETS**

**EXCAVATOR RUBBER TIRED MC 1085C**

<b>ITEMS</b>	<b>PASS</b>	<b>FAIL</b>	<b>COMMENTS</b>
<b>1. Monitor Indicator and Gauge Checks</b>			
Key Switch Check _____	_____	_____	
Fuel Gauge Check _____	_____	_____	
Hour Meter Check _____	_____	_____	
Tachometer _____	_____	_____	
Engine Temperature Gauge Check _____	_____	_____	
Engine Oil Pressure Gauge _____	_____	_____	
Transmission Temperature Gauge _____	_____	_____	
<b>2. Body &amp; Cab</b>			
Hood _____	_____	_____	
Doors _____	_____	_____	
Fenders _____	_____	_____	
Windshield _____	_____	_____	
Upholstery, Seat _____	_____	_____	
Seat Belts _____	_____	_____	

Mirrors	_____	_____
_____		
Wiper Motor	_____	_____
_____		
Wiper Blades	_____	_____
_____		
Fuel Tank	_____	_____
_____		

ITEM	PASS	FAIL	COMMENTS
<b>3. Cooling System</b>			
Air Cleaner	_____	_____	
_____			
Inspect for Loose or Broken welds and rusted conditions	_____	_____	
_____			
Check all Hoses and Connections	_____	_____	
_____			
Radiator and Oil Cooler Group	_____	_____	
_____			
Fan Group	_____	_____	
_____			
Water Pump	_____	_____	
_____			
Thermostat	_____	_____	
_____			
Water Lines	_____	_____	
_____			
Protection Cover Group	_____	_____	
_____			
Oil Cooler Group	_____	_____	
_____			

Fan Belts

\_\_\_\_\_

\_\_\_\_\_

#### 4. Intake and Exhaust System

Exhaust Manifold Group

\_\_\_\_\_

\_\_\_\_\_

Exhaust Connections

\_\_\_\_\_

\_\_\_\_\_

Exhaust Assembly

\_\_\_\_\_

\_\_\_\_\_

Muffler Group

\_\_\_\_\_

\_\_\_\_\_

Dust Ejector Group

\_\_\_\_\_

\_\_\_\_\_

#### 5. Fuel System

Fuel Injection Lines Group

\_\_\_\_\_

\_\_\_\_\_

Fuel Filter and Head Assembly

\_\_\_\_\_

\_\_\_\_\_

**ITEM**

**PASS FAIL**

**COMMENTS**

Fuel Filter Lines Group

\_\_\_\_\_

\_\_\_\_\_

Fuel Injector Nozzles

\_\_\_\_\_

\_\_\_\_\_

Fuel Pump

\_\_\_\_\_

\_\_\_\_\_

Cold Start Device

\_\_\_\_\_

\_\_\_\_\_

Primer Pump

\_\_\_\_\_

\_\_\_\_\_

#### 6. Hydraulic System

Hydraulic Lines

\_\_\_\_\_

Axle Lockout Cylinder

\_\_\_\_\_

Outrigger Cylinder

\_\_\_\_\_

Hydraulic Swivel

\_\_\_\_\_

Main Hydraulic Pump

\_\_\_\_\_

Hydraulic Reservoir and Filter Group

\_\_\_\_\_

Hydraulic System Valve Bank

\_\_\_\_\_

Hydraulic Controls

\_\_\_\_\_

Steering Pump

\_\_\_\_\_

Outrigger Hydraulics

\_\_\_\_\_

Hydraulic Tank

\_\_\_\_\_

Hydraulic Brakes

\_\_\_\_\_

**7. Transmission Unit**Front Cover and Main Case for cracks, and  
Leaks.

\_\_\_\_\_

**ITEM****PASS FAIL****COMMENTS**



Control Linkage Check \_\_\_\_\_

Transmission Controls \_\_\_\_\_

Transmission Hoses, Lines, Filter and Fittings \_\_\_\_\_

Drive shaft \_\_\_\_\_

## 8. Steering and Braking System

Steering Cylinder & Hoses \_\_\_\_\_

Steering Gear Box \_\_\_\_\_

Steering Wheel \_\_\_\_\_

Steering Hydraulic Tank \_\_\_\_\_

Steering Pump Belt \_\_\_\_\_

## 9. Brake System

Brake Linkage \_\_\_\_\_

Brake Pedal \_\_\_\_\_

Parking Brake \_\_\_\_\_

Brake Lines \_\_\_\_\_

Brake Pads \_\_\_\_\_

Brake Reservoir

---

\_\_\_\_\_

Swing Brake Control

---

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## 10. Electrical System

Alternator

---

\_\_\_\_\_

\_\_\_\_\_

Solenoid Switch Assembly

---

\_\_\_\_\_

\_\_\_\_\_

### ITEM

### PASS FAIL

### COMMENTS

Starting Motor Group

---

\_\_\_\_\_

\_\_\_\_\_

Instrument Panel

---

\_\_\_\_\_

\_\_\_\_\_

Fuse/Holder

---

\_\_\_\_\_

\_\_\_\_\_

Lights

---

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Batteries, Storage/Batteries

---

\_\_\_\_\_

\_\_\_\_\_

Tail Light

---

\_\_\_\_\_

\_\_\_\_\_

Work Lighting Group

---

\_\_\_\_\_

\_\_\_\_\_

Harness Assembly

---

\_\_\_\_\_

\_\_\_\_\_

## 11. Tires, Wheels

Wheels

---

\_\_\_\_\_

\_\_\_\_\_

Tires

---

\_\_\_\_\_

\_\_\_\_\_



**FINAL ROAD TEST CHECK SHEET**

ITEMS	PASS	FAIL	COMMENTS
<b>1. Monitor Indicator and Gauge Checks</b>			
Key Switch Check _____	_____	_____	
Fuel Gauge Check _____	_____	_____	
Hour Meter Check _____	_____	_____	
Tachometer _____	_____	_____	
Engine Temperature Gauge Check _____	_____	_____	
Engine Oil Pressure Gauge _____	_____	_____	
Transmission Temperature Gauge _____	_____	_____	
<b>2. Body &amp; Cab</b>			
Hood _____	_____	_____	
Doors _____	_____	_____	
Fenders _____	_____	_____	
Windshield _____	_____	_____	
Upholstery, Seat _____	_____	_____	
Seat Belts _____	_____	_____	

Mirrors	_____	_____
_____		
Wiper Motor	_____	_____
_____		
Wiper Blades	_____	_____
_____		
Fuel Tank	_____	_____
_____		
<b>3. Cooling System</b>		
Air Cleaner	_____	_____
_____		
Inspect for Loose or Broken welds and rusted conditions	_____	_____
_____		
Check all Hoses and Connections	_____	_____
_____		
Radiator and Oil Cooler Group	_____	_____
_____		
Fan Group	_____	_____
_____		
Water Pump	_____	_____
_____		
Thermostat	_____	_____
_____		
Water Lines	_____	_____
_____		
Protection Cover Group	_____	_____
_____		
Oil Cooler Group	_____	_____
_____		
Fan Belts	_____	_____
_____		

**4. Intake and Exhaust System**

Exhaust Manifold Group

\_\_\_\_\_

Exhaust Connections

\_\_\_\_\_

Exhaust Assembly

\_\_\_\_\_

Muffler Group

\_\_\_\_\_

Dust Ejector Group

\_\_\_\_\_

**5. Fuel System**

Fuel Injection Lines Group

\_\_\_\_\_

Fuel Filter and Head Assembly

\_\_\_\_\_

Fuel Filter Lines Group

\_\_\_\_\_

Fuel Injector Nozzles

\_\_\_\_\_

Fuel Pump

\_\_\_\_\_

Cold Start Device

\_\_\_\_\_

Primer Pump

\_\_\_\_\_

**6. Hydraulic System**

Hydraulic Lines

\_\_\_\_\_

Axle Lockout Cylinder

\_\_\_\_\_

Outrigger Cylinder	_____	_____	
Hydraulic Swivel	_____	_____	
Main Hydraulic Pump	_____	_____	_____
Hydraulic Reservoir and Filter Group	_____	_____	
Hydraulic System Valve Bank	_____	_____	
Hydraulic Controls	_____	_____	
Steering Pump	_____	_____	
Outrigger Hydraulics	_____	_____	_____
Hydraulic Tank	_____	_____	
Hydraulic Brakes	_____	_____	

## 7. Transmission Unit

Front Cover and Main Case for cracks, and Leaks.

Control Linkage Check

Transmission Controls

Transmission Hoses, Lines, Filter and Fittings

Drive shaft

**8. Steering and Braking System**

Steering Cylinder &amp; Hoses

\_\_\_\_\_

Steering Gear Box

\_\_\_\_\_

Steering Wheel

\_\_\_\_\_

Steering Hydraulic Tank

\_\_\_\_\_

Steering Pump Belt

\_\_\_\_\_

**9. Brake System**

Brake Linkage

\_\_\_\_\_

Brake Pedal

\_\_\_\_\_

Parking Brake

\_\_\_\_\_

Brake Lines

\_\_\_\_\_

Brake Pads

\_\_\_\_\_

Brake Reservoir

\_\_\_\_\_

Swing Brake Control

\_\_\_\_\_

**10. Electrical System**

Alternator

\_\_\_\_\_

Solenoid Switch Assembly

\_\_\_\_\_



Starting Motor Group

\_\_\_\_\_

\_\_\_\_\_

Instrument Panel

\_\_\_\_\_

\_\_\_\_\_

Fuse/Holder

\_\_\_\_\_

\_\_\_\_\_

Lights

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Batteries, Storage/Batteries

\_\_\_\_\_

\_\_\_\_\_

Tail Light

\_\_\_\_\_

\_\_\_\_\_

Work Lighting Group

\_\_\_\_\_

\_\_\_\_\_

Harness Assembly

\_\_\_\_\_

\_\_\_\_\_

## 11. Tires, Wheels

Wheels

\_\_\_\_\_

\_\_\_\_\_

Tires

\_\_\_\_\_

\_\_\_\_\_

**CONFIGURATION INSPECTION CHECK SHEET  
EXCAVATOR RUBBER TIRED  
MC 1085C**

**IDENTIFICATION NUMBER****TAM NUMBER**

Vehicle registration Number	
Vehicle Serial Number	
Hours at Inspection	
Miles at Inspection	
IROAN Date	
Hours at IROAN	
Miles at IROAN	
Engineering Change Plans (ECP)	
SL-4	
Technical Manuals (TM)	

**SECONDARY REPAIRABLE DATA****ITEM****SERIAL NUMBER**

Engine	
Transmission	
Drive Axles	

# CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved  
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

<b>A. CONTRACT LINE ITEM NO.</b>	<b>B. EXHIBIT</b>	<b>C. CATEGORY:</b> TDP _____ TM _____ OTHER <input checked="" type="checkbox"/>
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<b>D. SYSTEM/ITEM</b> Excavator, Rubber Tired	<b>E. CONTRACT/PR NO.</b>	<b>F. CONTRACTOR</b>
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<b>1. DATA ITEM NO.</b> C002	<b>2. TITLE OF DATA ITEM</b> Request For Waiver	<b>3. SUBTITLE</b> Configuration Management
---------------------------------	--	--

<b>4. AUTHORITY (Data Acquisition Document No.)</b> DI-CMAN-80641B	<b>5. CONTRACT REFERENCE</b> SOW 3.4.2	<b>6. REQUIRING OFFICE</b> MCLBA (825)
---	---	---

<b>7. DD 250 REQ</b> LT	<b>8. DIST STATEMENT REQUIRED</b>	<b>10. FREQUENCY</b> ASREQ	<b>12. DATE OF FIRST SUBMISSION</b> SEE BLK 16	<b>14. DISTRIBUTION</b>												
<b>9. APP CODE</b>	<b>11. AS OF DATE</b>	<b>13. DATE OF SUBSEQUENT SUBMISSION</b>	<table border="1"> <tr> <td rowspan="2">a. ADDRESSEE</td> <td colspan="3">b. COPIES</td> </tr> <tr> <td>Draft</td> <td>Final</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Reg</td> <td>Repro</td> <td></td> </tr> </table>		a. ADDRESSEE	b. COPIES			Draft	Final				Reg	Repro	
a. ADDRESSEE	b. COPIES															
	Draft	Final														
		Reg	Repro													

<b>16. REMARKS</b>  Blk 4 - Contractor format is authorized.  Blks 10 & 12 - RFWs shall be submitted to obtain authorization to deliver nonconforming material which does not meet prescribed configuration documentation.  RFWs will be reviewed and disposition determined within 30 calendar days upon receipt by the Government.  RFWs shall be transmitted via E-Mail to the following address: mbmatcomconfigmngmnt@matcom.usmc.mil  Distribution Statement A: Approved for public release, distribution is unlimited	MCLBA (825-2)	0	1	0
	<b>15. TOTAL</b>	0	1	0

<b>G. PREPARED BY</b> <i>Carl P. H.</i>	<b>H. DATE</b> 2-28-00	<b>I. APPROVED BY</b> <i>[Signature]</i>	<b>J. DATE</b> 28 Feb 00
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<b>17. PRICE GROUP</b>
<b>18. ESTIMATED TOTAL PRICE</b>

# CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved  
OMB No. 0704-0188

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<b>A. CONTRACT LINE ITEM NO.</b>	<b>B. EXHIBIT</b>	<b>C. CATEGORY:</b> TDP _____ TM _____ OTHER <input checked="" type="checkbox"/>
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<b>D. SYSTEM/ITEM</b> Excavator, Rubber Tired	<b>E. CONTRACT/PR NO.</b>	<b>F. CONTRACTOR</b>
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<b>1. DATA ITEM NO.</b> C001	<b>2. TITLE OF DATA ITEM</b> Request For Deviation	<b>3. SUBTITLE</b> Configuration Management
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<b>4. AUTHORITY (Data Acquisition Document No.)</b> DI-CMAN-80640B	<b>5. CONTRACT REFERENCE</b> SOW 3.4.2	<b>6. REQUIRING OFFICE</b> MCLBA (825)
---	---	---

<b>7. DD 250 REQ</b> LT	<b>9. DIST STATEMENT REQUIRED</b> A	<b>10. FREQUENCY</b> ASREQ	<b>12. DATE OF FIRST SUBMISSION</b> SEE BLK 16	<b>14. DISTRIBUTION</b>												
<b>8. APP CODE</b>		<b>11. AS OF DATE</b>	<b>13. DATE OF SUBSEQUENT SUBMISSION</b>	<table border="1"> <tr> <th>a. ADDRESSEE</th> <th colspan="3">b. COPIES</th> </tr> <tr> <th></th> <th>Draft</th> <th colspan="2">Final</th> </tr> <tr> <th></th> <th></th> <th>Reg</th> <th>Repro</th> </tr> </table>	a. ADDRESSEE	b. COPIES				Draft	Final				Reg	Repro
a. ADDRESSEE	b. COPIES															
	Draft	Final														
		Reg	Repro													

<b>16. REMARKS</b> Blk 4 - Contractor format is authorized.  Blks 10 & 12 - RFDs shall be submitted to obtain authorization to deliver nonconforming material which does not meet prescribed configuration documentation.  RFDs will be reviewed and disposition determined within 30 calendar days upon receipt by the Government.  RFDs shall be transmitted via E-Mail to the following address: mbmatcomconfigmngmnt@matcom.usmc.mil  Distribution Statement A: Approved for public release, distribution is unlimited	MCLBA (825-2)	0	1	0

<b>G. PREPARED BY</b> Cobb Patten	<b>H. DATE</b> 9-28-00	<b>I. APPROVED BY</b> [Signature]	<b>J. DATE</b> 28 Feb 01
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<b>17. PRICE GROUP</b>
<b>18. ESTIMATED TOTAL PRICE</b>

(1 Data Item)

Form Approved  
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP _____ TM _____ OTHER _____ <input checked="" type="checkbox"/>
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D. SYSTEM/ITEM Excavator, Rubber Tired	E. CONTRACT/PR NO.	F. CONTRACTOR
---	--------------------	---------------

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	Contractor's Progress, Status, and Management Report	

4. AUTHORITY (Data Acquisition Document No.) DI-MGMT-80227	5. CONTRACT REFERENCE SOW 4.2	6. REQUIRING OFFICE MCLBA (837)
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7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY WKLY	12. DATE OF FIRST SUBMISSION See Blk 16	14. DISTRIBUTION			
8. APP CODE	A	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION See Blk 16	a. ADDRESSEE	b. COPIES		
					Draft	Final	
						Reg	Repro

[illegible]

G. PREPARED BY <i>James E. O'Connell</i>	H. DATE <i>5/29/00</i>	I. APPROVED BY <i>[Signature]</i>	J. DATE <i>29F-500</i>
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# CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved  
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

<b>A. CONTRACT LINE ITEM NO.</b>	<b>B. EXHIBIT</b>	<b>C. CATEGORY:</b> TDP _____ TM _____ OTHER <input checked="" type="checkbox"/>
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<b>D. SYSTEM/ITEM</b> Excavator, Rubber Tired	<b>E. CONTRACT/PR NO.</b>	<b>F. CONTRACTOR</b>
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<b>1. DATA ITEM NO.</b> B001	<b>2. TITLE OF DATA ITEM</b> Repairable Item Inspection Report	<b>3. SUBTITLE</b>
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<b>4. AUTHORITY (Data Acquisition Document No.)</b> DI-ILSS-80386	<b>5. CONTRACT REFERENCE</b> SOW 4.1	<b>6. REQUIRING OFFICE</b> MLCBA (837)
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<b>7. DD 250 REQ</b> LT	<b>9. DIST STATEMENT REQUIRED</b>	<b>10. FREQUENCY</b> ASREQ	<b>12. DATE OF FIRST SUBMISSION</b> See Blk 16	<b>14. DISTRIBUTION</b>												
<b>8. APP CODE</b>	<b>11. AS OF DATE</b>	<b>13. DATE OF SUBSEQUENT SUBMISSION</b> See Blk 16	<table border="1"> <tr> <td><b>a. ADDRESSEE</b></td> <td colspan="3"><b>b. COPIES</b></td> </tr> <tr> <td></td> <td>Draft</td> <td>Final</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Reg</td> <td>Repro</td> </tr> </table>		<b>a. ADDRESSEE</b>	<b>b. COPIES</b>				Draft	Final				Reg	Repro
<b>a. ADDRESSEE</b>	<b>b. COPIES</b>															
	Draft	Final														
		Reg	Repro													

<b>15. REMARKS</b> Contractor format is authorized.  Blk 10 - A separate report shall be submitted for each Excavator, Rubber Tired repaired.  Blks 12 & 13 - Submit report by Marine Corps Serial Number 30 days after completion of each Excavator, Rubber Tired.  Blk 14 - Reports shall be provided on hard copy.  Distribution Statement A: Approved for public release, distribution is unlimited.	MCLBA (837-2)	0	1	0
	<b>15. TOTAL</b>	0	1	0

<b>G. PREPARED BY</b> <i>James A. Colono</i>	<b>H. DATE</b> 2/29/00	<b>I. APPROVED BY</b> <i>[Signature]</i>	<b>J. DATE</b> 29 Feb 00
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<b>17. PRICE GROUP</b>
<b>18. ESTIMATED TOTAL PRICE</b>